# WHIRRAKEE

November 2003 Vol. 24 No.10

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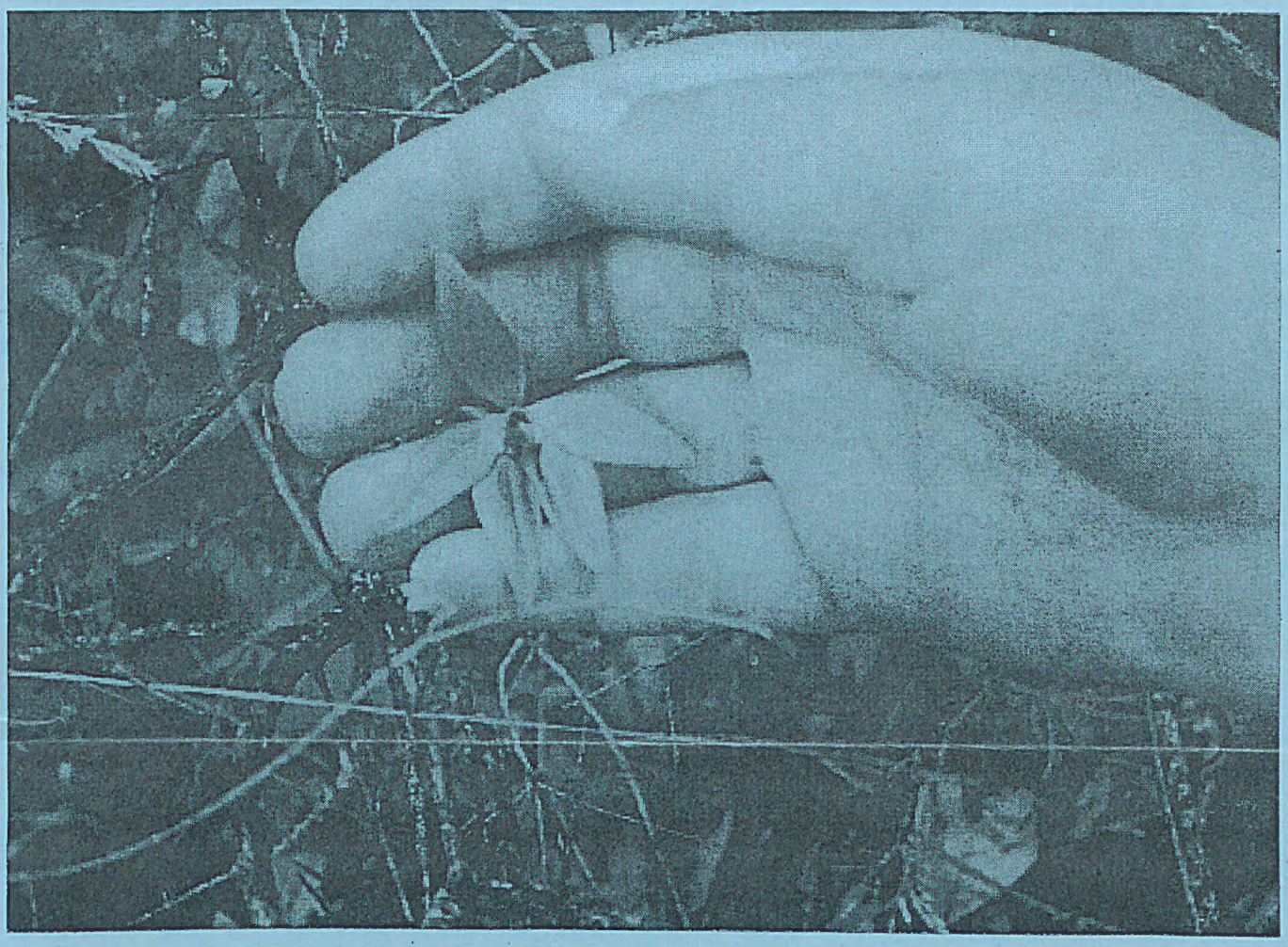

MONTHLY NEWSLETTER OF THE BENDIGO FIELD NATURALISTS CLUB

**Bendigo Field Naturalists Club Inc.**
Address for correspondence: PO Box 396, Bendigo 3552
ISSN 0812-423X

**Office Bearers for 2003 - 2004**

| | | | |
|---|---|---|---|
| President | Matthew Comer | 46 Railway Place, Goornong | 5432 2380 |
| Senior Vice President | Stuart Fraser | 12 Bambara Close, Bendigo | |
| Junior Vice President | vacant | | |
| Secretary | Bill Holsworth | 13 Nabilla Crs, Bendigo | 5443 4063 |
| Minute Secretary | Jane Cleary | 24 Goynes Road, Epsom | 5448 4396 |
| Treasurer | Stuart Fraser *pro tem.* | | |
| Membership Officer | Kate Lottkowitz | 80 Piccaninny Rd, RSD Strathfieldsaye | 5439 3157 |
| Excursion organiser | vacant | | |
| Syllabus organiser | Rod Orr | 2 Cockerel Court, Bendigo | 5443 5668 |
| Librarian | Diana Collier | 31 Milroy Street, Bendigo | 5443 0137 |
| Garden Convenor/Secretary | Matthew Comer | 46 Railway Place, Goornong | 5432 2380 |
| Hall Management | Maurie Lewis | | 0407 427179 |
| *Whirrakee* contact | Sabine Wilkens | 82 Somerville Street, Bendigo<br>e-mail: s.wilkens@bendigo.latrobe.edu.au | 5443 2797 |

**Membership** of the Bendigo Field Naturalists Club is open to all those interested in Natural History. The subscription rates are: Single $34; Family $40; Concession: Single $28.50; Family $34. *Whirrakee* subscription only is $34.

**General meetings** are held on the second Wednesday of each month. The venue for General meetings is the Golden Square Senior Citizens Building, Old High Street, Golden Square. The invited speaker at general meetings starts at 8:00pm and meetings conclude with supper.
If a workshop is held prior to the meeting, it will be advertised and it usually starts at 7.00pm.
The Annual Meeting is held in September.

**Committee meetings** are held on the third Wednesday of each month at 7:30pm. Members of the Committee are the Office Bearers listed above, together with the following members:
Lyn Hamilton, Glenise Moors *pro tem.*, Rob Moors and there are 4-6 vacancies!!

**Excursions** Excursions are conducted irregularly and are advertised on the diary page of the *Whirrakee*. The assembly point for excursions is the Golden Square Senior Citizens Building, unless otherwise specified. In addition to local excursions, campouts are held several times each year, usually coinciding with long weekends or holiday periods.

The Bendigo Field Naturalists Club has two active sub-groups:

**Fauna Study Group**: meets on the fourth Wednesday of the month at 7:30pm in the Golden Square Senior Citizens Building.

**Chairman**: John Burtonclay, Fadersons Lane, Mandurang (5439 5710)
**Secretary**: Bill Holsworth, 13 Nabilla Crs., Bendigo (5443 4063)
**Equipment Officer**: Maurie Lewis (0407 427179)

**Bird Observers Group**: meets on the first Wednesday of the month at 7.30pm in the Golden Square Senior Citizen Building.

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**Front Cover:** The photo, taken by Clive Fisher, shows the solitary flower of a wax lip orchid, *Glossodia major*. It is on the cover of the CD "Plants and Animals of the Box Ironbark area of Central Victoria", being common in the district. You wouldn't have known this last year though, when there was hardly a specimen to be seen. However, this year is certainly making up for it with magnificent shows over the last few weeks. In the 'Orchids of Bendigo', Rod Orr mentioned this interesting fact: "The solitary, hairy leaf is distinctive because it is rich in coumarin, a pleasantly odorous substance". By the time you read this, it will be too late to go rushing out and rubbing a bit of leaf between your fingers to smell the coumarin....but there is always next year!

# WHIRRAKEE

Monthly Newsletter of the Bendigo Field Naturalist Club

Vol. 24, No. 10, November 2003

*Whirrakee* takes its name from the Whirrakee Wattle (*Acacia williamsonii*) which is virtually endemic to the Bendigo region

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Authors are responsible for the accuracy of the information they use and also for any opinions expressed in their articles.
Contributions will be included as soon as possible after they are received, although articles received more than one week after the monthly General Meeting will probably be too late for inclusion in the next issue of *Whirrakee*.
Articles in *Whirrakee* may be reproduced, but permission should be obtained from the Bendigo Field Naturalists Club, and acknowledgment should be given to the author and the Club. Some back issues are still available on request.

*Editor's note*
*As you can see from the table of contents, a very slim edition indeed, page wise and content wise. This may be a sign of times to come as the last edition caused Rod Orr, who was mailing it, quite a bit of trouble at the Post Office, when he was trying to fit the folded Whirrakee into the standard slot. The solution, Rod suggested, was to print on thinner paper, but I have now been told that the copy machine will not react kindly to this. Anyway, it wasn't an issue this time as we did not get loads of contributions. The prospect of less pages in the Whirrakee should , however, in no way deter you from sending your letters and observations in. In my opinion, this is what the magazine is about and I want to see more and more of these contributions in the new year We may just have to cut back on reproducing brochures and application forms for this or that from other organisations.*
*I imagine everybody has been out and about and enjoyed the fantastic flowering season we have been having. Not only did we get more of everything and some species appeared after not having been seen for some years, but the flowering period was also extended for many species, well beyond their 'normal' times. What a great year! Rod tells me that 1993 was like that too but I cannot remember that far back.*
*There are a few important announcements of social events on the Diary page, so please study this carefully.*
*Enjoy the rest of the spring.*
*Lastly, a big thanks to Glenise for the treasurer's report and all those many, many years in this role.*

**October General Meeting - "Classification of threatened fauna in Victoria", Speaker Peter Menkhorst**

by Sabine Wilkens

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This talk was about the definitions and assessment of threatened fauna in Victoria and was given by Peter Menkhorst, who is well known to many club members. He has worked for many years at the Arthur Rylah Institute, which is now associated with the Department of Sustainability and Environment (Peter is also the first author of *A Field Guide to the Mammals of Australia*)

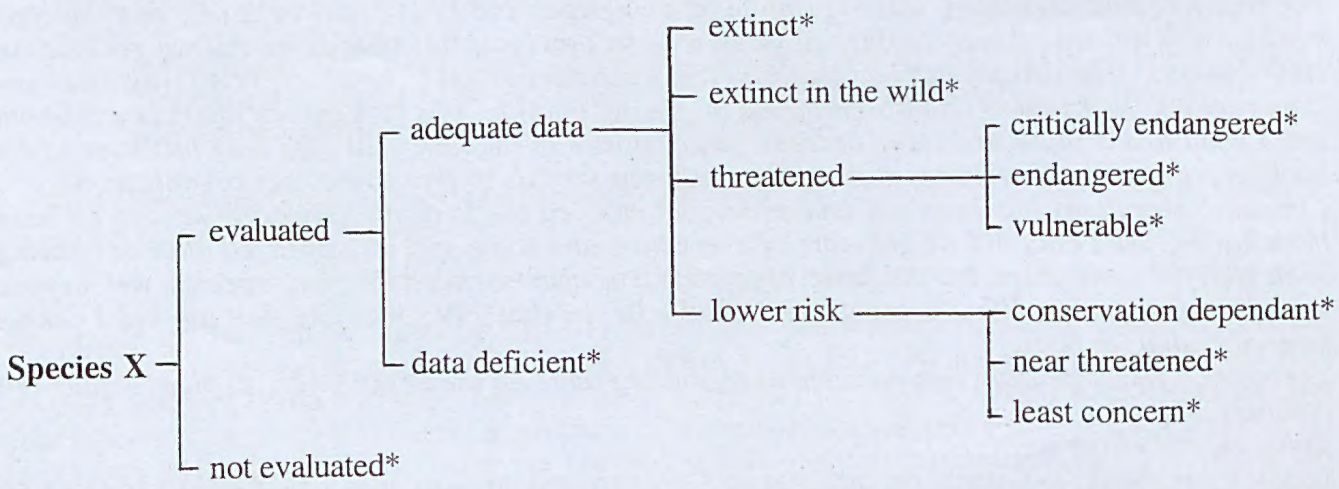
There are legislative acts governing threatened species at Federal and State level. At the Federal Government level, the EPBC (Environment Protection and Biodiversity Conservation) Act ensures that there is a list of threatened flora and fauna species. This act is only a few years old but carries quite bit of power when it comes to threatened species and minimising processes involved with these.
At the State level there is also an act, the FFGA (Flora and Fauna Guarantee Act). This act results in a state list of threatened flora and fauna species.

Although, both legislative lists have political clout, a long time and a lot of effort is involved to have species listed and they therefore do not really reflect which species are at risk at any one moment.

For a species to be added to these lists, a nomination has to be made. This nomination is then passed to a scientific advisory committee where the information is weighed up against the criteria designated by the act and then, some preliminary recommendations are made. After some months of allowing the public to comment, the committee meets again and makes a recommendation to the Minister. After several more months, the Minister will make a formal decision and only then might the species be gazetted officially. Normally the Minister accepts the advice of the scientific advisory committee but it is plain that this process is unsuitable for species requiring urgent action. Peter stated that many species that should be on the legislative list are not due to the lengthy process involved in getting them on there.

For more practical aspect of conservation work at the various government and community levels, there is another list circulating – the Advisory List of Threatened Species. This list is constructed by a different process and acts as a useful guide for people working in that 'industry' to help with developing strategic plans, management plans and recovery plans. It is maintained by the Department of Sustainability and Environment.

What constitutes a 'threatened species'?
For the Advisory List, each species is categorised by a similar process to that employed by the International Union for Conservation of Nature (IUCN), they are also called the red list criteria:



To assign a species into one of the categories marked* in this scheme, the following information is required:

Reduction in population size. For this, the degree and rate of reduction needs to be known, the reasons for this reduction and whether or not the threatening processes are continuing.

Geographic range. This needs to take into account the fluctuations in population at any one locality (life histories). The smaller the geographic range, the more serious is a reduction in population.

Population size. The smaller the population, the more subject it is to chance events.

Quantitative analysis. Modelling the probabilities of extinction in the wild using several scenarios.

The table below is an example of a group of animals, the vertebrates of Victoria, to which some of the above categorisations have been applied are (but not including the marine fish):

| | mammals | birds | reptiles | amphibians | fish | Total |
|---|---|---|---|---|---|---|
| Extinct | 10 | 0 | 0 | 0 | 0 | 10 |
| Regionally extinct | 9 | 1 (night parrot) | 1 (fierce snake) | 0 | 3 | 14 |
| Extinct in the wild | 0 | 0 | 0 | 0 | 0 | 0 |
| Critically endangered | 5 | 10 | 9 | 6 | 7 | 37 |
| Endangered | 10 | 25 | 11 | 2 | 5 | 53 |
| Vulnerable | 8 | 49 | 6 | 2 | 5 | 70 |
| Data deficient | 1 | 0 | 8 | 5 | 6 | 20 |
| Near threatened | 14 | 41 | 12 | 1 | 3 | 71 |
| Total | 57 | 126 | 47 | 16 | 29 | 275 |

The numbers in this table are very worrying. Peter particularly mentioned alpine frogs and freshwater fish in this context. Although their numbers in the endangered categories are not any higher than those of other groups, they constitute a far greater percentage of these groups of animals in Victoria.

After discussing the above, Peter showed us slides of some of the animals concerned. The programs initiated as a result of this listing have made for some success stories where populations have been build up again. For example the Bridled Nail-tail Wallaby, was regionally extinct but a concerted recovery effort has paid off.

Any such recovery efforts and re-introductions of once regionally extinct animals are usually not undertaken unless the cause for the decline in the population has been identified. If, for example, foxes or feral cats are identified as the cause, then a recovery program will also include a targeted campaign to eliminate the presumed predator in the area. Unfortunately, for many animals, loss of habitat is a major factor in the decline and obviously this is a hard one to address.

Some animals are listed as regionally extinct for Victoria but have quite healthy populations in other states, e.g. the Rufous Bettong – but

sometimes different subspecies are involved. Some confusion arises when an animal is listed as extinct on a state list (and a particular subspecies is meant in this case), but on the Federal list the species is listed under a less serious category as here only the species as a whole is considered.

Knowledge of such subspecies populations is constantly added. For example it was only discovered recently that the in-shore population of Bottle Nose Dolphins in Port Phillip Bay is a different subspecies from the deep water form, and this population, being very small indeed (only about 70 individuals), now needs extra protection.

The Pygmy Possum was listed as endangered, but following the January fires in the mountains, might have to be moved up the list to a more critical state. Although many animals have survived the actual fires, it is not certain if their main food source (*Podocarpus*) was still present in sufficient quantities to support the surviving population through the winter.

When deciding which species to asses for categorisation, vagrant species are usually not evaluated. Vagrants are animals that turn up unexpectedly and unpredictably in places outside their normal home range and habitats. The decision not to evaluate them is based on the assumption that Victoria is probably not important as a place for the conservation of these species. For example for the Yellow-bellied free-tail Bat there have been a dozen records over the last few decades, likewise for the Southern Elephant Seal.

A question was asked of Peter after he had finished, as to whether it is sensible to stop with these categorisations and actions at the State borders, as clearly animals would not consider them significant. Peter said that, although animal populations obviously transgress boundaries, and it would often be more sensible to combine efforts and categorisations, state legislation binds state agencies to act only within state boundaries.

The following list gives the state of different mammal groups in Victoria:

| | extinct | Regionally extinct (number) and (%) | Different category of endangered (number) | Total endangered or extinct (%) |
|---|---|---|---|---|
| Momotremata (2) | | | 0 | 0 |
| Dasyurids (14) | | 3 (21.4) | 4 | 50 |
| Bandicoots (6) | 3 | (50) | 1 | 67 |
| Diprotodonts (31) | 4 | 3 (22.6) | 7 | 45 |
| Bats (22) | | | 5 | 23 |
| Rodents (18) | 3 | 3 (33.0) | 2 | 44 |
| Carnivores (7) | | | 0 | |
| Cetaceans (24) | | | 4 | 17 |
| Total (124) | 10 | 9 (15.3) | 23 | 34 |

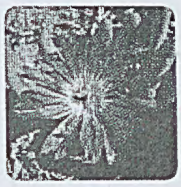
For people interested in more detailed information on this topic, Peter left with us a few copies of the 'Advisory List of Threatened Vertebrate Fauna in Victoria 2003'.
It is fascinating and depressing reading (and a very long list!) Contact me if you want to borrow a copy or have one photocopied to keep (my contact details are on the inside front cover).

This was very interesting talk on a subject I knew very little about. How do species get onto these lists and what happens then....? One thing is for sure, there is huge amount of work involved and we were privileged to hear about it from a very experienced worker in the field.

## Ned's Corner Station Appeal

In the last two issues of the *Whirrakee* we had an article about Ned's Corner, a large property near Mildura on the Murray recently purchased by Trust for Nature.
TfN needs to raise $ 2.5 million to permanently protect Ned's Corner Station.
Here is a copy of some parts of the appeal brochure (the most important part) which will enable you to make a donation towards this project.... If the printing works out, you should be able to turn the form on this side into an envelope (obviously the sides need proper glue and they will not get sticky, no matter how hard you lick them...). If you would like an intact appeal brochure, please contact Sabine Wilkens (details on inside front cover of the *Whirrakee*)

## I would like to help save Ned's Corner



*Disphyma clavellatum* – some of the native flora found on Ned's Corner

❶ Please accept my gift* of:

○ $50 ○ $100 ○ $500 ○ $1,000 ○ $5,000 ○ $20,000 ○ Other $_____

Note: Gifts of $1,000 and over will be acknowledged in the Trust for Nature Annual Report.
Gifts of $20,000 and over will be acknowledged on a plaque at Ned's Corner and in the Trust for Nature Annual Report.
If you do not wish to be acknowledged in these ways please tick here: ○

### ❷ My details:** (please print)

First Name: Mr/Mrs/Ms/Miss/Dr _____ Surname: _____

Address: _____ State: _____ Postcode: _____

Ph: BH ( ) _____ AH ( ) _____ Fax: ( ) _____

Email: _____

### ❸ Method of payment:

○ Cheque enclosed $_____ ○ Money order

○ Credit card: ☐ Visa ☐ Mastercard ☐ Bankcard for the above amount.

Card No. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ Expiry Date: ___/___

Cardholder's First Name: Mr/Mrs/Ms/Miss _____ Surname: _____

Cardholder's Signature: _____ Date: _____

I permit Trust for Nature to automatically debit my credit card as my annual support for the bush protection program. The amount I wish to be deducted is the same amount I have shown above, on _____ (date) each year until my notification in writing to discontinue.

Signature: _____ Date: _____

### ❹ I'd like more information about Trust for Nature. I'd like to...

○ Talk to someone about Trust for Nature and its work
○ Learn more about becoming a Trust For Nature volunteer
○ Learn more about the Bush Protection Program
○ Receive information about including Trust For Nature in my will
○ Receive a BushMonth October brochure
○ Learn more about the covenanting process
○ Learn more about the Trust for Nature Foundation

*All contributions of $2 and over are tax deductible. ABN 60 292 993 543
**Trust for Nature collects personal information to; provide you with updates, or invite you to contribute to our work – we will not provide this information to any other organisation. You can have access to your personal information and our privacy policy by contacting Trust for Nature, or see our privacy policy at www.tfn.org.au

Trust for Nature gratefully acknowledges the generous support of The RE Ross Trust in the purchase of Ned's Corner

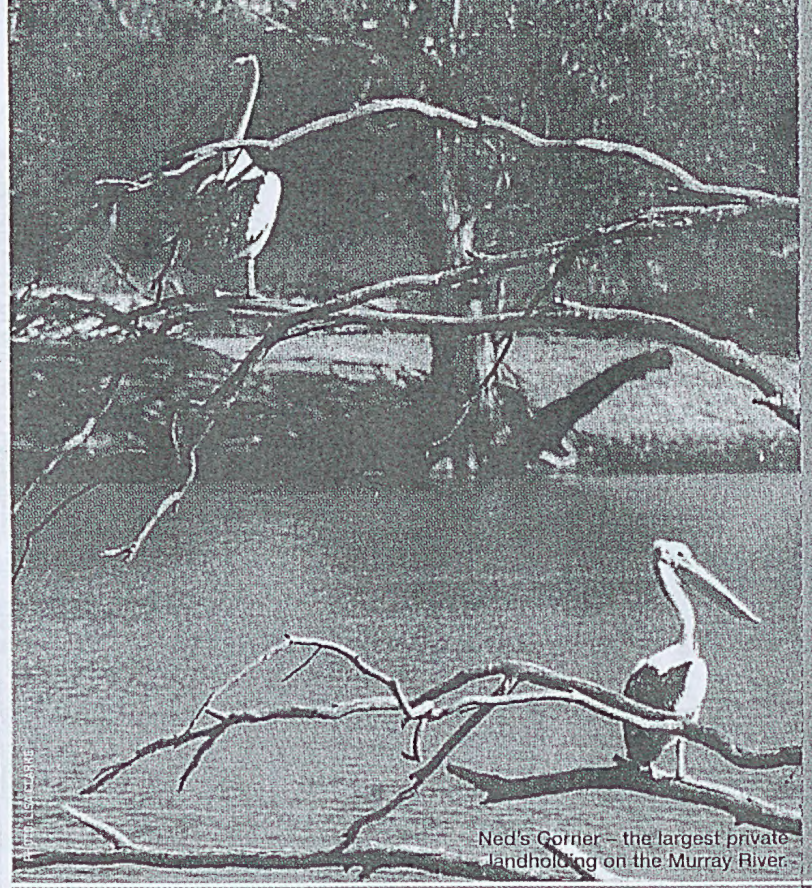
❺ **Please return this coupon by detaching along perforation, sealing along glue strips and returning to Trust for Nature.**

Trust for Nature

Freecall: 1800 99 99 33 www.tfn.org.au

Detach along perforation and seal along glue panels.

Moisten and fold



Ned's Corner – the largest private landholding on the Murray River

# community conservation...

Ned's Corner sits 80 kilometres to the west of Mildura, close enough to this major city to offer opportunities to those interested in working with Trust for Nature – researching, managing and protecting this important local landscape. Even the few degraded areas within Ned's Corner are valuable, for they offer a chance to learn about sustainability. Ned's Corner Station is also an important addition to the Barkindji Biosphere Reserve – a community driven conservation program focussed along the Murray River.

"Natural systems are the most efficient and economic means of producing clean air and water - they're more resilient than anything man could make. Ned's Corner will give us opportunities to learn more about the nature of resilience and sustainability, and ways of achieving these."

**– Dr Trevor Whiffin,**
**Senior Lecturer in Botany, La Trobe University**

"A lot of people still imagine that a government with an environment budget is going to be able to look after everything – but the truth is that if there is something you can do yourself, get on with it."

**– John Clarke, Writer/Producer/Olympic Supremo**

# Ned's Corner

## we must act now!

Trust for Nature

**Delivery Address:**
Level 2
385 Little Lonsdale Street
MELBOURNE VIC 3000

Trust for Nature
Reply Paid 66654
MELBOURNE VIC 3000

Your stamp is an extra gift →

No stamp required if posted in Australia

STATEMENT OF RECEIPTS AND EXPENDITURES FOR THE YEAR ENDED 31 JULY 2003

GENERAL ACCOUNT - INVESTMENT ACCOUNT

| RECEIPTS | |
|---|---|
| Membership | 3317.75 |
| Subscription | 170.00 |
| Donation | 83.80 |
| Interest | 488.81 |
| Production of Living Records | 8000.00 |
| Launch/Promn. Living Records | 3000.00 |
| Sales of Living Records | 6223.95 |
| Sales of Weeds CD-ROM | 235.00 |
| WWF Grant | 5445.00 |
| Trap Hire | 500.00 |
| VFNCA March Camp | 665.71 |
| VNPA Plants CD-ROM | 99.95 |
| Postage | 24.80 |
| | 28254.77 |
| Deficit for Year | 11220.08 |
| | $ 39474.85 |

| EXPENDITURES | | |
|---|---|---|
| Whirrakee Production | | 1396 12 |
| Whirrakee Postage | | 514.25 |
| Subscription | | 120.00 |
| Stationery/Printing | | 197.66 |
| Living Records Production | | 26840.00 |
| Launch/Promn. Living Records | | 859.40 |
| Post/Handling Living Records | | 117.05 |
| Purchase Weeds CD-ROM | | 345.00 |
| Wildlife Profiles | | 5445.00 |
| Hall Maintenance | | 1640.47 |
| Insurance - Public Liability | | 300.00 |
| Bendigo Pottery - Mugs | | 995.00 |
| Auditor | | 140.00 |
| Garden | | 105.00 |
| Government Charges | | 44.40 |
| Miscellaneous: | | |
| Vacuum Cleaner | 209.00 | |
| Travel Expenses | 50.00 | |
| P.O. Box Rental | 52.00 | |
| VNPA Plants CD-ROM | 71.50 | |
| Incorporation Fee | 33.00 | 415.50 |
| | | $ 39474.85 |

| Bank Balance at 1 August 2002 | |
|---|---|
| Cheque A/c | 16054.10 |
| Term Deposit | 8972.95 |
| | $ 25027.05 |

| Bank Balance at 31 July 2003 | |
|---|---|
| Cheque A/c | 3734.02 |
| Term Deposit | 10072.95 |
| Deficit for Year | 11220.08 |
| | $ 25027.05 |

I have examined the documents and records supporting the above statements of receipts and expenditures and I am able to report that in my opinion the statement of receipts and expenditures as shown, fairly reflects the transactions that have taken place in the bank accounts of the Bendigo Field Naturalists Club Inc. during the financial year ended 31 July 2003.

D.D.Wright C.P.A.
Auditor 12/9/03

## STATEMENT OF RECEIPTS AND EXPENDITURES FOR THE YEAR ENDED 31 JULY 2003

### PUBLICATION ACCOUNT - INVESTMENT ACCOUNT

| RECEIPTS | | EXPENDITURES | |
|---|---|---|---|
| Sales: | | Stationery | 11.10 |
| Wildflowers | 10.00 | Government Charges | 0.30 |
| Eucalypts | 428.00 | | 11.40 |
| Birds | 598.50 | | |
| Orchids | 139.50 | | |
| Spiders | 1198.50 | Surplus for Year | 3503.78 |
| Postage | 19.05 | | |
| Interest | 1121.63 | | |
| | $ 3515.18 | | $ 3515.18 |
| **Bank Balance at 1 August 2002** | | **Bank Balance at 31 July 2003** | |
| Cheque A/c | 5649.03 | Cheque A/c | 9152.81 |
| Term Deposit | 15818.84 | Term Deposit | 15818.84 |
| Term Deposit | 6500.00 | Term Deposit | 6500.00 |
| | 27967.87 | | |
| Surplus for Year | 3503.78 | | |
| | $ 31471.65 | | $ 31471.65 |

I have examined the documents and records supporting the above statements of receipts and expenditures and I am able to report that in my opinion the statement of receipts and expenditures as shown, fairly reflects the transactions that have taken place in the bank accounts of the Bendigo Field Naturalists Club Inc. during the financial year ended 31 July 2003.

D.D.Wright C.P.A.

Auditor

19/1/03

## STATEMENT OF RECEIPTS AND EXPENDITURES FOR THE YEAR ENDED 31 JULY 2003

### MEETING HALL ACCOUNT

| RECEIPTS | | EXPENDITURES | |
|---|---|---|---|
| Hall Hire | 4515.00 | City of Greater Bendigo | 6595.20 |
| Donations | 2400.00 | Maintenance | 39.37 |
| Interest | 8.34 | Government Charges | 3.30 |
| | | | 6637.87 |
| | | Surplus for Year | 285.47 |
| | $ 6923.34 | | $ 6923.34 |

| Bank Balance at 1 August 2002 | | Bank Balance at 31 July 2003 | |
|---|---|---|---|
| Cheque A/c | 3206.01 | Cheque A/c | 3491.48 |
| Surplus for Year | 285.47 | | |
| | $ 3491.48 | | $ 3491.48 |

I have examined the documents and records supporting the above statements of receipts and expenditures and I am able to report that in my opinion the statement of receipts and expenditures as shown, fairly reflects the transactions that have taken place in the bank accounts of the Bendigo Field Naturalists Club Inc. during the financial year ended 31 July 2003.

D.D.Wright C.P.A.
Auditor

19/9/03

## Diary

The General, Bird Observers Group and Fauna Study Group meetings are held at the Golden Square Senior Citizens Building, Old High Street, Golden Square, unless otherwise indicated.

### General Meeting

**Wednesday, November 12, 7.30pm**
Paul Sinclair from Environment Victoria will talk about 'The importance of environmental flows in rivers, streams and wetland areas.'

**Wednesday, December 10, 6.30pm**
Christmas Dinner followed by a talk from Chris Tzaros about 'Birds of the Box-Ironbark Forest'
At the Hall, Bring Salad, Casserole or Dessert.
Come early to chat or look at the garden.

*Please note: There is no meeting in January*

### Excursions

**Wednesday, November 26**
**Fauna group end-of-year BBQ** "Rain, Hail or Shine"

At Kangaroo Flat Botanical Gardens,
Camp Street, Kangaroo Flat

**Time: 6pm** - Inspection of frog pond
- Bird count

**7pm** - dinner

**dark** - spotlight for mammals or an attempt to locate frogs utilising the 'triangulation' method

(Tom Burton, p.7 *Whirrakee,* March 2001)

BYO food to cook and/or share, good cheer, torch or spot light and sturdy footwear.
Electric BBQ available. Everybody is welcome.

**Christmas lunch meeting at Jack Ipsen's**
**Sunday, December 15**
Jack is expecting our members again this year for the annual Christmas picnic at his property at Lyel Glen near Redesdale.
Please bring all your food and drink as well as a chair (if you need one). There are plenty interesting things to see before you sit down for lunch.
Please contact a committee member if you need instructions how to get there.

### Bird Observers Group

This group meets (in the clubrooms) on the first Wednesday of the month at 7:30pm. Please confirm with Kerrie Norris (ph 54478017)

### Fauna Group

This group meets (in the clubrooms) on the fourth Wednesday of the month at 7.30pm.

Next meeting: see under 'Excursions' on this page)

**In 2004:**
**Wednesday, February 25 7.30pm**
Topic - Reporting of summer observations.
All welcome to participate.

### Wildlife Rescue & Information Network Inc.

W.R.I.N. is an organisation dedicated to the care of orphaned, sick or injured native animals.
It is fully endorsed by the Dept of Natural Resources and Environment.
Please call our Emergency Number for Help for Fauna in Need. Phone: 0419 356433.

### Know your frog

The following sites both refer specifically to the Victorian frog fauna: If you intend to go to the fauna group BBQ, it might be good to look at these sites beforehand.

**http://www.frogs.org.au/frogs/** is based closely upon the Frogwatch Field guide to Victorian Frogs. It has great information--photos, maps, keys, and pie charts to depict seasonal activity.

**http://www.museum.vic.gov.au/collections/showcase.asp** takes you to the showcase page at the Museum of Victoria. This site has links to accounts of other Victorian fauna besides frogs, including a great links to the butterflies and reptiles of Victoria. This site has bigger photos of the frogs than the other site, and longer call bites (taken from the Frogwatch tape, with introductions by Murray Littlejohn), but the sound can be slow to load up.